

## EAST Search History

| Ref # | Hits    | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|--|------------------|---------|------------------|
| L1    | 2       | JP-2000323188-\$.did.   | JPO;<br>DERWENT  | ADJ              | ON      | 2007/10/19 13:46 |
| L2    | 1       | 2001-076877.NRAN.   | DERWENT  | ADJ              | ON      | 2007/10/19 14:03 |
| L3    | 10      | (conductor skin effect) or<br>(conductor superficial effect)  | DERWENT  | ADJ              | ON      | 2007/10/19 14:09 |
| L4    | 222     | (conductor skin effect) or<br>(conductor superficial effect)  | US-PGPUB;<br>USPAT;<br>JPO   | ADJ              | ON      | 2007/10/19 14:09 |
| L5    | 39      | l4 and (battery and lead)   | US-PGPUB;<br>USPAT;<br>JPO   | ADJ              | ON      | 2007/10/19 14:09 |
| L6    | 24      | ("2589453"   "3914562"  <br>"4007817"   "4092554"   "4322772"<br>  "4331225"   "4800328").PN. OR<br>("5207304").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ              | ON      | 2007/10/19 14:30 |
| L7    | 0       | ep-1544937-   | US-PGPUB;<br>USPAT   | ADJ              | ON      | 2007/10/19 14:38 |
| L8    | 0       | ep-1544937-\$.did.  | EPO  | ADJ              | ON      | 2007/10/19 14:38 |
| L9    | 0       | ep-01544937-\$.did.   | EPO  | ADJ              | ON      | 2007/10/19 14:38 |
| L10   | 1       | ep-1544937-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2007/10/19 14:39 |
| S1    | 7131    | lead near2 acid near3 battery   | US-PGPUB;<br>USPAT   | ADJ              | ON      | 2007/10/18 17:02 |
| S2    | 8558    | sulfation   | US-PGPUB;<br>USPAT   | ADJ              | ON      | 2007/10/18 17:02 |
| S4    | 63409   | voltage near3 (detector or detecting<br>or detector)  | US-PGPUB;<br>USPAT   | ADJ              | ON      | 2007/10/18 17:04 |
| S5    | 53240   | voltage near3 (generator)   | US-PGPUB;<br>USPAT   | ADJ              | ON      | 2007/10/18 17:04 |
| S6    | 54486   | voltage near3 (comparator)  | US-PGPUB;<br>USPAT   | ADJ              | ON      | 2007/10/18 17:04 |
| S7    | 199568  | oscillator  | US-PGPUB;<br>USPAT   | ADJ              | ON      | 2007/10/18 17:04 |
| S8    | 458350  | amplifier   | US-PGPUB;<br>USPAT   | ADJ              | ON      | 2007/10/18 17:04 |
| S9    | 1738797 | circuit   | US-PGPUB;<br>USPAT   | ADJ              | ON      | 2007/10/18 17:04 |

## EAST Search History

|     |         |  |                              |     |    |                  |
|-----|---------|--|------------------------------|-----|----|------------------|
| S10 | 86547   | pulse near5 generator  | US-PGPUB;<br>USPAT           | ADJ | ON | 2007/10/18 17:04 |
| S11 | 2       | (S1 with S2) and S4 and S5 and S6<br>and S7 and S8 and S9 and S10                              | US-PGPUB;<br>USPAT           | ADJ | ON | 2007/10/18 17:05 |
| S12 | 2       | (S1 with S2) and S4 and S5 and S6<br>and S7 and S8 and S9                                      | US-PGPUB;<br>USPAT           | ADJ | ON | 2007/10/18 17:06 |
| S13 | 2       | (S1 with S2) and S4 and S5 and S6<br>and S7 and S8   | US-PGPUB;<br>USPAT           | ADJ | ON | 2007/10/18 17:06 |
| S14 | 2       | (S1 with S2) and S4 and S5 and S6<br>and S7  | US-PGPUB;<br>USPAT           | ADJ | ON | 2007/10/18 17:06 |
| S15 | 2       | (S1 with S2) and S4 and S5 and S6  | US-PGPUB;<br>USPAT           | ADJ | ON | 2007/10/18 17:06 |
| S16 | 2       | (S1 with S2) and S4 and S5   | US-PGPUB;<br>USPAT           | ADJ | ON | 2007/10/18 17:06 |
| S17 | 5       | (S1 with S2) and S4  | US-PGPUB;<br>USPAT           | ADJ | ON | 2007/10/18 17:06 |
| S18 | 15      | ("4234840"   "4677363"  <br>"5504415"   "5578915"  <br>"5614804").PN. OR ("5739670").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/10/18 17:10 |
| S19 | 7       | S18 and S1   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/10/18 17:11 |
| S20 | 0       | S18 and (S1 same S2)   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/10/18 17:11 |
| S21 | 48      | S1 with S2   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/10/18 17:12 |
| S22 | 28      | S1 with S2 and electrode   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/10/18 17:12 |
| S23 | 4       | ("5652497"   "5677075").PN. OR<br>("6730428").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/10/19 11:43 |
| S24 | 1326    | (lead (sulfate or sulphate))   | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:43 |
| S25 | 1078063 | electrode  | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:44 |
| S26 | 346     | sulfation  | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:44 |
| S27 | 11068   | voltage comparator   | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:44 |
| S28 | 157513  | oscillator   | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:44 |

## EAST Search History

|     |        |   |                              |     |    |                  |
|-----|--------|---|------------------------------|-----|----|------------------|
| S29 | 357217 | amplifier   | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:44 |
| S30 | 4681   | waveform shaping circuit  | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:44 |
| S31 | 28     | negative pulse generator  | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:45 |
| S32 | 55140  | pulse width   | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:45 |
| S33 | 0      | S24 and S25 and S26 and S27 and S28 and S29 and S30 and S31 and S32 | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:45 |
| S34 | 2      | S24 with S25 with S26   | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:46 |
| S35 | 0      | S24 and S25 and S26 and S27   | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:46 |
| S36 | 0      | S26 and S27 and S28 and S29 and S30                                 | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:47 |
| S37 | 0      | S26 and S27 and S28   | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:47 |
| S38 | 0      | S26 and S25 and S27   | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:47 |
| S39 | 2      | S24 and S27   | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:47 |
| S40 | 8      | S24 and S26   | JPO;<br>DERWENT              | ADJ | ON | 2007/10/19 11:52 |
| S41 | 123956 | pulse width   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/10/19 11:52 |
| S42 | 0      | S41 and S24   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/10/19 11:52 |
| S43 | 0      | S41 and S26   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/10/19 11:52 |
| S44 | 43287  | S41 and lead  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/10/19 11:53 |
| S45 | 607    | S41 and (lead near2 acid near2 battery)                             | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/10/19 11:53 |
| S46 | 67     | S45 and microsecond   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/10/19 11:55 |

## EAST Search History

|     |    |  |                              |     |    |                  |
|-----|----|--|------------------------------|-----|----|------------------|
| S47 | 52 | ("2718848"   "3316417"  <br>"3321688"   "3349309"   "3437826"<br>  "3621929"   "3686549"  <br>"3694715"   "3716767").PN. OR<br>("3808481").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/10/19 13:46 |
|-----|----|--|------------------------------|-----|----|------------------|